

Big Quiz (Quest) tomorrow

Sections

4.8

6.7

9.1-9.4

9.7

translations

$$(x, y) \rightarrow (x+2, y-4)$$

Vectors

$$A(3, 4) \quad B(7, 0)$$

$$\vec{AB} \langle 4, -4 \rangle \quad \text{Matrices } +/-$$

Reflections

$$x\text{-axis} \quad (a, b) \rightarrow (a, -b)$$

$$y\text{-axis} \quad \rightarrow (-a, b)$$

$$\text{line } y = x \quad \rightarrow (b, a)$$

$$y = -x \quad \rightarrow (-b, -a)$$

or any
horizontal/vertical

Rotations

$$90^\circ \quad (a, b) \rightarrow (-b, a)$$

$$180^\circ \quad \rightarrow (-a, -b)$$

$$270^\circ \quad \rightarrow (b, -a)$$

Dilations

multiply
origin

- about a point (#32)
pg 30

Read through
matrices

be able $\times + -$

Skip #7 pg 1
pg 2 skip 13, 17, 20, 21